INTERNATIONAL SEARCH REPORT

International Application No. TCT/IB2004/050810

A. CLASSIF IPC 7	FICATION OF SUBJECT MATTER H04L27/26 H04L25/02		
According to	International Patent Classification (IPC) or to both national classifica	ition and IPC	
B. FIELDS			
Minimum do IPC 7	cumentation searched (classification system followed by classification HO4L .	in symbols)	
		In Classification (IPC) or to both national classification and IPC thed (classification system followed by classification symbols) than minimum documentation to the extent that such documents are included in the fields searched during the international search (name of data base and, where practical, search terms used) If Data, PAJ, INSPEC, COMPENDEX, IBM—TDB EDTO BE RELEVANT nent, with indication, where appropriate, of the relevant passages Relevant to claim No. 128270 A (ATHEROS COMM INC) 12003 (2003—04—03) paragraph 2 paragraph 3 — page 16, paragraph 2/159533 A1 (CRAWFORD JAMES A) 2/159533 A1 (CRAWFORD JAMES A) beer 2002 (2002—10—31) 2/2 aph '0086! -/— Petent ternity members are listed in annex. To later documents are included after the international filing date or priority data and not in conflict with the application but more than the conflict of the priority data and not in conflict with the application but more than the priority data and not in conflict with the application but more than the priority data and not in conflict with the application but more than the priority data and not in conflict with the application but more than the priority data and not in conflict with the application but more than the priority data and not in conflict with the application but more than the priority data and not in conflict with the application but more than the priority data and not in conflict with the application but more than the priority data and not in conflict with the application but more than the priority data and not in conflict with the application but more than the priority data and not in conflict with the application but more than the priority data and not in conflict with the application but more than the priority data and not in conflict with the application but more than the priority data and not incomplete the priority data and not inco	
	,		
C. DOCUMI	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the rela	evant passages	Relevant to daim No.
Х	WO 03/028270 A (ATHEROS COMM INC) 3 April 2003 (2003-04-03) page 5, paragraph 2 page 15, paragraph 3 - page 16, p	•	1-10
Х	US 2002/159533 A1 (CRAWFORD JAMES 31 October 2002 (2002-10-31) claim 1 figure 2 paragraph '0086!	S A)	1 -10
	-	-/	
ł		•	
X Furt	ther documents are listed in the continuation of box C.	X Patent family members are listed	in annex.
° Special co	ategories of cited documents :		
consider the consideration of the court of t	ent defining the general state of the art which is not dered to be of particular relevance document but published on or after the international date ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another on or other special reason (as specified) tent referring to an oral disclosure, use, exhibition or means tent published prior to the international filing date but than the priority date claimed	cited to understand the principle or the invention "X" document of particular relevance; the cannot be considered novel or cannot involve an inventive step when the difference; the cannot be considered to involve an indocument is combined with one or ments, such combination being obvious the art.	calmed Invention It be considered to cument is taken alone claimed Invention Iventive step when the one other such docu- ous to a person skilled
Date of the	actual completion of the international search		arch report
1	17 September 2004	24/09/2004	
. Name and	mailing activess of the ISA European Patent Office, P.B. 5818 Patentiaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Koukourlis, S	

INTERNATIONAL SEARCH REPORT

International Application No

		FC1/1B200	4/ 030010
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 13, 5 February 2001 (2001-02-05) & JP 2000 286819 A (NEC CORP; NIPPON TELEGR & TELEPH CORP <ntt>), 13 October 2000 (2000-10-13) abstract</ntt>		1-5,7-10
P,X	EP 1 349 337 A (TOKYO SHIBAURA ELECTRIC CO) 1 October 2003 (2003-10-01) paragraph '0043! - paragraph '0051! paragraph '0025! paragraph '0027! paragraph '0029! paragraph '0032! - paragraph '0039!	·	1-10
A	US 6 317 473 B1 (GUYOT JEAN-MARC ET AL) 13 November 2001 (2001-11-13) column 2, line 48 - line 58 column 6, line 12 - column 7, line 67 column 9, line 21 - line 67		1–10
			·
	. •		
		·	
	·		

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 03028270	A	03-04-2003	US US WO	2003152021 2003058966 03028270	A1	14-08-2003 27-03-2003 03-04-2003
US 2002159533	A1	31-10-2002	US TW WO US US	2002150168 545008 02069515 2004114675 2002176483	B A1 A1	17-10-2002 01-08-2003 06-09-2002 17-06-2004 28-11-2002
JP 2000286819	A	13-10-2000	NONE			——————————————————————————————————————
EP 1349337	A	01-10-2003	JP JP CN EP US	3538187 2003283454 1447544 1349337 2003185147	A A A2	14-06-2004 03-10-2003 08-10-2003 01-10-2003 02-10-2003
US 6317473	B1	13-11-2001	EP EP EP GB GB GB GB US US US US US US US US US US US US US	2325125 2325126 2325127 2325128 2325129 2325825 2326069	A1 A2 A2, B BB, BB, BB, BB AAAAAAAAAAAAAAAAAAAAA	18-12-2002 18-12-2002 11-11-1998 04-11-1998 10-10-2001 11-11-1998 11-11-1998 11-11-1998 11-11-1998 02-12-1998 09-12-1998 09-12-1998 20-11-2001 20-13-2001 20-03-2001 29-05-2001 24-10-2000 10-10-2000 20-11-2001 30-09-2003